



# INGEDE

October 2006, Vol. 9, No.2



## IZINKINGA EZIBHEKENE NOSONKONTILEKA

**K**usemqoka ukuthi osonkontileka baliqondisise kahle ibhizini labo ukuze bakwazi ukuthi basimame noma benze inzuzo, ngokunjalo nomlimi azuze naye. Njen gesibonelo uma usonkontileka ezokwenza umsebenzi wokudonsa, kumele azi ukuthi uzodonsa amathani omoba amangaki ukuze akwazi ukuhlela izinto zakhe zokusebenza ngendlela efanele. Okunye okusemqoka okumele kwaziwe ngusonkontileka ngukuthi amandla akhe amvumela ukuthi akwazi ukwenza umsebenzi ongakanani, lokhu kuzomsiza ukwazi ukuthi kumele aqashe abasebenzi abangaki abazoshaya umoba kanye nogandaganda azobadinga ukuze akwazi ukwenza umsebenzi ngendlela egculisayo. Okuvamise ukwenzeka wukuthi uye uthole usonkontileka owenza amathani ayi-15 ngosuku usebenzia ogandaganda ababili kanye nezisebenzi eziyishumi esikhundleni sezisebenzi ezine, isisebenzi ngasinye kumele sense amathani amane ngosuku. Kumele kukhumbuleke ukuthi inkokhelo yokudonsa (rates) lena esiyenzelwa ngochwepheshe bezezimali (Economists) bakwa SA Cane Growers incike emsebenzini lowo okumele wenziwe ngokuvumelana nemigomo yemboni kaShukela, isibonelo, ukuhlala uphinde wenze isitaki emobeni oshisiwe umuntu oyedwa kumele enze amathani amane ngosuku, uma ngabe umsebenzi engawenzi lamathani ngosuku usonkontileka uyalimala kakhulu ekugcineni.

Ukuqeleshwa kosonkotileka ngokusebenza noma ngomsebenzi okumele wenziwe umsebenzi ngosuku kusemqoka ngoba yilapho kumele bazi khona osonkontileka ukuthi umsebenzi kumele enze umsebenzi ongakanani ngosuku. Okunye okusemqoka nakho okufanele kwensiwe ngendlela efanele noma ngokwesitokwe yilokhu okulandelayo; ukutshala, ukuhlakula, ukufaka umuthi wokhula kanye nokufaka umanyolo. Uma usonkontileka engawkazi ukunika abasebenzi bakhe isitokwe ngendlela efanele, lokho kungamenza asimame futhi ahlale isikhathi eside esebehzinisini.

Isikhathi esiningi kuwumsebenzi onzima kabi kosonkotileka ukubheka abasebenzi babo ukuthi basebenza ngendlela efanele yini ngoba isikhathi esiningi osonkontileka abanalo ulwazi olwanele ukuthi umsebenzi uma enza umsebenzi othile kumele enze umsebenzi ongakanani ngosuku.

Osonkontileka abahlahlayo noma abadonsa umoba kumele baqikelele ngasosonke isikhathi ukuthi umth-

walo abawudonsayo ugcwele, isibonelo, uma umdonsi esebeanza inqola ethwala amathani ayisithupha, leyongola mayihambe nomthwalo ongamathani ayisithupha ngasosonke isikhathi ukuze ukwazi ukubhekana nezindleko zokwenza lowomsebenzi. Isikhathi esiningi kuba wusizo kusonkontileka ukdonsa amathani amanangi angaphezulu kunalawo ayisilinganiso senqola. Ibanga elihanja wugandaganda kumele ngasosonke isikhathi umdonsi aqikelele ukuthi lifishane ukuze akwazi ukudonsa amathani amanangi ngesikhashana, lokhu kusiza umdonsi ekunciphiseni izindleko zika dizili kanye nezindleko zokukhanda kanti futhi ugandaganda ungakwazi ukubuye wenze

eminje imisebenzi uma usuqede isitokwe sokudonsa amathani osuku.

Enye indlela engenza umsebenzi wabadonsi uhambe ngendlela efanele wukuthi umsebenzi wabiwe ngokwamakomiti amaphayindi (zone committees) ngoba wona asuke azi ukuthi kudingeka umoba ongakanani emshinini nanokuthi usuke ungakanani umoba odingeka e-phayindini. Loku kungasiza futhi ekugwemeni ukusala komoba omdala emasimini.

**Ngu- Mbongi Nxumalo no Thulani Masondo**

Ukuvulwa kwezisele nge-ngulube.



# UMPHUMELA WOKUVAKASHA KWAMAKHOSI KWA SASRI



Inkosi Mathonsi yase Mandeni

**U**kandela uhlelo lokuvakasha IwaMakhosi kwa SASRI ngo-2005, Inkosi uMathonsi yase Mandeni yaba nothando lokutshala umoba ngokuhlanganyela nesizwe sayo. Inkosi ibe isikhethisa ikomidi elizobhekana nokusungulwa kwe-Project yomoba. Ukudlula lapho, iNkosi yona qobo lwayo yabe isinikela ngendawo enkulu yokwenza leProject.

U Mnu.Thulani Masondo ongumeluleki wezomoba wakwa-SASRI weluleka amalungu ngokwemigudu okumele ilandelwe ukuze loluhlelo lumphumelele, okuthinta ukwaziswa ko-Mnyango wezolimo kanye no-mlimi omkhulu (wasePulazini) oseduzane, ukwenziwa kohlelo lomsebenzi (business plan), ukwenziwa kohlelo Iwendawo (land use plan) ngabakwa-Engineering, ukwakhiwa kwe-Koporasi (co-operative) ukuze bakwazi ukuthola usizo Iwezimali kuhulumeni, izindawo lapho lapho kungatholakala khona izimali njengalezi; umnyango wakwa-Economic Affairs, Public Works, Ithala, ABSA kanye nezinye eziningi. Wabe esebalula nokubaluleka kokuqeleshwa kwamalungu ekoporasi, umeluleki wezolimo angabazisa abalimi ngezikhungo zaloluqeleshwa.

**Ngabe ukutshala umoba kungaba yibhizinisi eliyilungele yini indawo yaseMandeni?**

Ngokusho kuka Martin Eweg, ongumphathi wabeluleki bakwa SASRI abasebenza nabalimi abalima ngokuncane, indawo yaseMandeni, ngokwesimo sezulu iwulungele umoba kodwa kumele kuqikelelwu ukuthi izindawo okutshala kuzo yizindawo eziwulungele umoba ngoba ezinye zezindawo zaseMandeni zinomhlabathi ongemuhle (ongajulanga-loluhlobo lomhlabathi luyashesa ukuzwela uma kunesomiso) kodwa uma kukhethwe izindawo ezinhle umsebenzi uyoba muhle kakhulu.

UMnu.Eweg wabuye waphawula ngobumqoka bokutshala uhlobo lomoba oluvumelana nesimo sendawo ukugwema izifo nezinambuzana. Ngokwakhe, waphakamisa lezhinlolo ez-ingatshala kulendawo; N27, N35 kanye no N39 kodwa zitshalwe emhlabathini olungele zona ukuze zenze kahle.

UMnu.Eweg wabe eseluleka ethi "abalimi abasha njengoba se-bezosebenza ngohlelo lomfela ndawonye, kudingeka bazihlele kahle ngendlela efanele ezokwazi ukuthi kube lula ukuletha uqequesho kubo" (umeluleki wendawo unalo ulwazi lokuthi lokhu kungensiwa kanjani). Esegina wathi "uma abalimi behlangene besebenza ndawonye, kusemqoka ukuqashwa kwe Menenja noma umuntu oyedwa okumele kuxhunywane naye ukuze kube lula ukusebenza nabalimi".

Ngu-Mantombi Tofile

# AKUSIWONA USHUKELA KUPHELA

**Z**iningi izinto ezitholakala esitshalweni somoba ngaphandle kuka shukela. Ezinyangeni ezimbalwa ezedlule, bekunezinkulomo eziningi ezimayelana nokubheka ukuthi kukhiqizwe uphethilomu wezimoto ngomoba obizwa nge-Ethanol, njengoba I-Ningizimu Afrika ikhokha izimali eziningi ngokulanda u oyela oluahlaza (crude oil) phesheya. Ukuhqiqizwa kwe-Ethanol ukuze isetshenziswe ezimotweni kuyinto eyaziwayo futhi kuyensiwa ngenkulu impumelelo phesheya e-Brazil. Izimoto ezingaphezu kwe-zine eshumini eBrazil, zisebenzisa loluhlobo luka phethilomu kanti futhi ngaphezu kwaloku, izimoto ezimbili-nengxenyen eshumini zisebenzisa uphethilomu oxube I-Ethanol nophethilomu ka-oyeli ojwayelekile.

Inkampani i-NCP Alcohols ese-Sea Cow Lake Ethekwini ikhiqiza ama litha ayi-180 000 e-Ethanol ngosuku, ukuthi ingxene yawo engangamaphesenti angama-67 ithunyelwe phesheya kanti I-IIlovo yona ikhiqiza amalitha angama-50 ezigidi ngonyaka bese ithumela phesheya amalitha angamaphesenti angama-70 kulowo ewukhiqizile. Yonke le Ethanol itholakala kutiligi.

Ngokuka Don McLeod ongumqondisi ophethe kwa-IIlovo, ukuhqiqizwa kwe-Ethanol ngokugcwele noma ngokusabalele kungadinga ukuthi I-Ethanol ikhiqizwe ngojusi kamoba.

Uma kungawukuthi wonke ushukela wase-Ningizimu Afrika othunyelwa phesheya ungasetshenziselwa ukuhqiqiza i-Ethanol, loku kungahlinzekela isidingo sikaphethilomu sezwe lethu esiliganiselwa kokune ekhulwini kuphela (4%).

Kucacile ukuthi kunamaphuzu amathathu okumele abhekisiswe ngaphambi kokuba kutshalwe izimali ekukhiqizweni kwe-Ethanol.

1. Intengo ka-oyeli oluahlaza olandwa phesheya kungamele ihlale iphezulu kangangama-80 amaphawundi (+R10) ngomphongolo.
2. Amandla e-Randi kungamele abe phansi kangangokuthi ama-Randi ayishumi alingane nedola elilodwa.
3. uhulumeni kungamele enze kube nesaphulelo entengweni kaphethilomu waloluhlobo (Ethanol).

Elinye iphuza okuhlale kuhulunyuwa ngalo ukusethenziswa kwemfucuza yomoba ukuhqiqiza ugesi ngaphakathi emishinini egaya ushukela. Loku kungenzeka, buka nje ngoba kuyensiwa emazweni amanangi akhiqiza umoba emhlabenji jikelele. Intengo ka-gesi wakwa-ESKOM lapha eNingizimu Afrika ingephansi kakhulu kunakwezinye izindawo emhlabenji, ngaphandle uma kungakhona uhlelo lokudayisa amandla kagesi evile akhiqizwa abemishini kashukela ezweni jikelele, loku angeke kwaphumelele.

Lemfucuza yomoba inayo inkokhelo uma uzoyishiya ensimini njenge-tashi/upayi olwakha imvundela elekelela ukuvikela ukuguguleka komhlabathi, ithuthukise izinga lomhlabathi futhi iqinisekise ukugcineka kwawo isikhathi eside.

Ungqongqoshe wezokumbiwa phansi namandla uLindiwe Hendricks uthe kwabemithombo yezindaba ngo-Nhlolanja, uma iNingizimu Afrika ithenga ngaphandle u-oyela oluahlaza olinganiselwa kokuyisithupha eshumini ngokwesidindo sezwe, imizamo yokukhulisa ukuhqiqizwa kwe-Ethanol ne-BioDiesel kungalizuzisa kakhulu lelizwe ngakwezomnotho ikakhulukazi ekunciphiseni ukungaqaqasheki kwabantu futhi kuvule amathuba amabhizinisi kwindlu ensundu.

Kwi-Nkongolo/nkomfa ka-Sosesheni wochwepheshe bezomoba wase-Ningizimu Afrika ebibanjelwe eThekwini ngo-Ntlukazi kulonyaka, kwaba nenkulomo eyethulwa ngu SN Walford ekhomba ukuthi miningi imikhiqizo eyenziwa ngezinsalela zomoba emshinini kashukela. Loku kubandakanya iphepha, amabhodi, ukudla kwe-mfuyo, amapulasitiki kanye nesibumbatha (wax).

Ngu-Martin Eweg



# UKUBULALA UKHULA NGENDLELA EFANELE KWANDISA INZUZO

Ngu-William Gillespie

- Ukuhlakula ngezandla – hlakula ukhula olukhulu lolu obona ukuthi angeke lukwazi ukufa ngaphambi kokuthi ufake umuthi wokhula.
- Insimu ehlakulwe kahle yase iphindza yafakwa nomanyolo ofanele wokukhuthaza ikhaba iba nomoba omuhle onikeza umlimi inzuzo uma esedayisa.
- Yazi izinhlobo zokhula ovamise ukuba nazo ensimini yakho ukuze wazi ukuthi yiziphi izinhlobo zezibulala-khula okumele uzisebenzise.
- Amasimu angenalo ukhula aba mahle ngoba imvula etholakala entwasahlobo isetshenziswa yisitshalo kuphela, lokhu kwenza isivuno sibengcongo.
- Okunye okuhle ngokuhlakula ukhula wukuthi umoba usheshe uhlanganise, ngaleyondlela kugwemeka ukumila kokhula.
- Ubuhle bokufaka izibulalakhula wukuthi zingcono kunokuhlakula ngezandla.
- Upayi/itashi lomoba luyasiza ekuvimbeni ukhula lungamili kanye no-konga umswakamo emhlabathini.
- Bulala utshani kuqala, bese ulandelisa ngotshani obuthanda amanzi (water grass) bese ugcina ngokhula olunamaqabunga.
- Amasimu okumele assetshenzwe kuqala, ngamasimu lana asuke esanda kuhlahlw, lana anokhula oluncane noma anokhula lapha nala-phaya, yiwona okumele anakwe kuqala.
- Amasimu okumele assetshenzwe ekugcineni yilawo anomoba osuhlan-ganisile.
- Ungazihlakuli izindawo ezisemihosheni bese ulahla lobotshani emobeni.



Ukuhlasela kokhula okuxakile emobeni

## Ukulahlekwa kwesivuno ngokungahlakuli kahle

Ukubambezeleka ngokuhlakula	Isilinganiso Sokulahlekwa kwesivuno	Isilinganiso sokulahlekwa kwesivuno uma insimu yakho ikihipha amathani angama-50 ngehektare	Isilinganiso sokulahlekwa kwesivuno uma insimu yakho ikihipha amathani angama-70 ngehektare	Isilinganiso sokulahlekwa kwesivuno uma insimu yakho ikihipha amathani ayi-100 ngehektare
Ukuhlakula ngokushesha (akubambezeleka ukuhlakula)	Akukho sivuno esilahlekayo	Akukho sivuno esilahlekayo	Akukho sivuno esilahlekayo	Akukho sivuno esilahlekayo
Ngamasonto amane	Engxenyeni yekhulu kulahlekwa amaphesenti (%) awu 5	Kulahlekwa amathani angu 2.5	Kulahlekwa amathani angu 3.5	Kulahlekwa amathani angu 5
Ngamasonto awu 8	Engxenyeni yekhulu kulahlekwa amaphesenti (%) awu 20	Kulahlekwa amathani ayi-10	Kulahlekwa amathani ayi-14	Kulahlekwa amathani angam-20
Akuzange kuhlakulwe nhlobo	Engxenyeni yekhulu kulahlekwa amaphesenti(%) Angu 50 kuya ku 80	Kulahlekwa amathani angu 25 kuya ku 40	Kulahlekwa amathani angu 35 kuya ku 56	Kulahlekwa amathani angu 50 kuya ku 80

## Isilinganiso semali elahlekayo ngokungahlakuli

Imali elahlekayo. Kushukela ongu 12.18%(sucrose) emalini engu R 1 700 ngethani likashukela (RV)

Isivuno	Insimu enesivuno esingamathani angama-50	Insimu enesivuno esingamathani angama-70	Insimu enesivuno esingamathani ayi-100
Akuzange kubambezeleka ukuhlakula ukhula	Akukho mali elahlekile	Akukho mali elahlekile	Akukho mali elahlekile
Ukubambezeleka ngamasonto angu 4	Imali elahlekayo R 517.65	Imali elahlekayo R 724.71	Imali elahlekayo R 1 053.30
Ukubambezeleka ngamasonto angu 8	Imali elahlekayo R 2 070.60	Imali elahlekayo R 2 898.84	Imali elahlekayo R 4 141.20
Akuzange kuhlakulwe	Imali elahlekayo ingafinyelela ku R 8 282.40	Imali elahlekayo ingafinyelela ku R 11 595.36	Imali elahlekayo ingafinyelela ku R 16 564.80



# UBUCHWEPHESHE BOKUSEBENZISA UMAKHALEKHUKHWINI UKUDLULISA

## UMYALEZO KUBLALI ABANISELAYO

**U**kunisela umoba kuyabiza, kufaka ugesi, amanzi kanye nokunakekela izinto zokunisela ukuze zihlale zisesimweni esihle sokusebenza. Ukuze umlimi asimame ngaphansi kwenkasa kudingeka akhiqize umoba omningi ngeheka kunalona okhiqizwa ngaphandle kwenkasa. Isizathu salokhu wukuthi umlimi kumele akwazi ukubhekana nezindleko zokunisela.

Ukuze umlimi onge imali namanzi, kudingeka kuniselwe kuphela uma isitshalo sidinga amanzi, kufakwe amanzi lawo adingakalayo kuphela.

### Inkinga

Ngebhadi, abalimi abanangi abalima-ngokuncane ngaphansi kwenkasa abanalo ulwazi lokubala ukuthi isitshalo sidinga amanzi angakanani futhi nini. Lokungabi kwabo nolwazi ukuthi kwenziwa kanjani, akusilo iphutha labo.

Abanye abalimi banenkolelo yokuthi uma nje amanzi ekhona kumele banisele, ukuthi isitshalo siyawadinga noma cha, bona abanendaba.

### Umphumela

Ngenxa yokunisela isinomakanjani, isikhathi esiningi amanzi okunisela ayamoseka aphinde futhi angangeni emhlabathini ngendlela efanele. Okuyaye kwenzeke ukuthi uthola lapho umoba usemncane khona, osuke usadinga amanzi amancane, umlimi ufaka amanangi, kanti la umoba usuke usumkhulu khona udinga amanzi amanangi, umlimi ufaka amancane.

Ukwengeza nje, ngesikhathi umoba usemncane ukunisela ngokweqile kungagcina kudale amachibi emasimini, kanti umoba ukuze ukhule kahle awuwadingi amanzi amileyo ensimini ngoba phela nawo udinga ukuphefumula, kanti futhi amanzi amileyo agugula wonke umsoco wesitshalo ngenkathi egobhoza ehamba noma uma eshona phansi emhlabathini kanti futhi ukunisela ngokweqile imvamisa kuye kudalele abalimi abangezansi nomlimi oxphaphaza amanzi izinkinga zokuthi lamasimu angezansi abe namaxhaphozi bese lababalimi bengakwazi ukuhlakula, ukuvuna (ogandaganda abakwazi ukungena ensimini) kanye nesivuno siyalahleka ngenxa yokudla okuhambe namanzi kanti nomhlabathi ugcina usufile.

### Isixazululo

Ukuxazulula inkinga yokungazi ukuthi yinini lapho umlimi kumele aqale khona ukunisela nokuvala amanzi, kunendlela elula esebezisa ubuchwepheshe be-computor. Lendlela yasungulwa yiSikhungo soCwaningo IwezoMoba esiseMandaskomu esibizwa ngo-SASRI. Lendlela iqalwe nabalimi abalima ngokuncane baso-Phongolo kanti isebezenza kahle.

### Isebenza kanjani lendlela?

Njalo ngosuku, imininingwane yesimo sezulu iquoqwa ngento esiyibiza ngokuthi yi Automatic Weather Station (AWS) esoPhongolo. Leminingwane eqoqwe yi Weather Station ithunyelwa kwi Computer kwa SASRI eMount Edgecombe. Kwa SASRI kunohlelo Iwe Computer olushintsha lemininingwane yezulu etholakale kwi Weather Station Iuyenze imibiko noma imiyalezo Kamakhalekhukhwini (SMS) ebe isithunyelwa kumlimi ngamunye ngolimi IwesiZulu imazisa ngokuthi yinini lapho umlimi kudingekaachele khona nanokuthi umlimi akawavale nini amanzi.

Okunye okwenziwa yiolohlelo lwe SMS umlimi waziswa ngesivuno insimu yakhe enaso ngalesosikhathi nano-kuthi kulindeleke ukuthi umlimi athole isivuno esingakanani ensimini yakhe uma esehlahla.

Uma umoba womlimi usuzohlahlwa, umlimi uyaziswa ukuthi akamise ukunisela. Lendlela isisize abalimi abanangi ngoba bebengazi ukuthi kumele bawavale nini amanzi uma sebezohlahlwa.

Okunye okuhle osekwenziwe ngu-SASRI ngaloluhlelo Iukamakhalekhukhwini wukuthi umlimi useyakwazi ukuphendula nge SMS azise u SASRI uma injini noma kukhona okungalungile emapayipini bese uSASRI abuye abuyekeze iSMS ayithumele kumlimi lowo, noma, umlimi abikele umeluleki wakhe woMnyango weZolimo noma owakwa SASRI.

**Lena ngenye yezindlela abakwa-SASRI abalekelela ngayo abalimi bomoba.**

**Ngu-John Neen**

Ochwepheshe bakwa-SASRI nabalimi bendawo bekwenye yamasimu angaphasi kwaloluhlelo lokunisela oPhongola

## AMASU ASEMQOKA

- Bulala noma khuculula izinhlaseli ebusika eduzane nomuzi kanye nasemasimini akho ngokuthi uzmbe zisezincane. Zama ukuthi wazi izinhlaseli ezssemqoka ezingadingeki.
- Qala uhlele izidingo zakho zembewu yomoba zangonyaka ozayo.
- Qikelela ukuthi indawo ozoyitshala ayinawo amavolontiya.
- Insimu ene-eldana ungayihlahli ngonyaka olandelayo, qikekela ukuthi onke amasimu ozimisele ngokuwahlahla ngonyaka ozayo ayahlohlwa yithimba le Zifo neZinambuzane lendawo.
- Thenga izibulalakhula kanye nomanyolo ngaphambi kokuthi kuthwase ihlobo.
- Qinisekisa ukuthi isifutho sakho sokufutha sihloliwe, salungiswa uma kudingeka sase siyakalwa ukuthi sikhapha amanzi angakanani. Umeluleki wakho weZolimo angakusiza ukukuhlolela isifutho sakho.
- Qikelela ukuthi umhlabathi wakho uyawuh-lola (Umeluleki wakho weZolimo uzokusiza).
- Bulala ukhula emasimini akho ngokushesha (uma kutholakala izimvula zokuqala).
- Sebenza amanzi ahlanzekile uma usebenzia imithi yokubulala ukhula.
- Yonke imisele yokutshala umoba kumele ilandele indlela amakhontolo enziwe ngayo.
- Ezindaweni eziqethukile nezinomhlabathi oguguleka kalula kumele sisibenzise uhlelo lokulima ngokungaphazamisi umhlabathi (minimum tillage).
- Imbewu oyisebenzisayo ekutshaleni makube yimbewu evunyelwe yithimba elihlola Izinambuzane neZifo zomoba. Mayingabi nazifo.
- Bulala ukhula ngokushesha, ukubulala ukhula seluze lwaba lukhulu imvamisa akunayo imiphumela emihle.
- Uma umoba oqhakazile ucshe ube yinxenye kahhafu wensimu yakho, hlahla umoba wakho ungakapheli u September.
- Xoxisana noMeluleki wakho mayelana nokwenziwa kohlelo lomsebenzi wangonyaka ozayo (2007).
- Sebenza inozela (flat fan) efanele uma ubulala ukhula, itholakala ezindaweni ezi-dayisa izinto zeolimo. Ukusebenzia inozela esindala noma elimele kuyizindleko ngoba ugcina usebenzise umuthi omningi ngokungadingeki nokhula lungenzukufa kahle.
- Inozela eyi "hollow cone" isetshenziswa ekubulaleni izinhlaseni ezinamaqabunga abushelezi kanti inozela i "solid cone" isetshenziswa ekubulaleni izinhlaseli ezinamaqabunga anoboya.



